

Datasheet for ABIN6941044

## anti-Aurora Kinase B antibody (AA 89-251)



[Go to Product page](#)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	Aurora Kinase B (AURKB)
Binding Specificity:	AA 89-251
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Aurora Kinase B antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	Recombinant fragment (around aa 89-251) of human Aurora B protein (exact sequence is proprietary)
Clone:	AURKB-1521
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 39 kDa, which is identified as Aurora B. The serine/threonine protein kinase aurora B (Aurora B) is a chromosomal passenger protein critical for accurate chromosome segregation, cytokinesis, protein localization to the centromere and kinetochore, correct microtubule-kinetochore attachment, and regulation of the mitotic checkpoint. Aurora B forms a tight complex with inner centrosome protein and survivin. Inactivation of any of these proteins causes similar defects in chromosome segregation. A significant overexpression of Aurora B has been found in a variety of human tumors including non-small cell lung carcinoma,

## Product Details

---

astrocytoma, seminoma and carcinomas of the colon, prostate, endometrium and thyroid. The expression level of Aurora B is associated with cell proliferation and prognosis in these tumors.

Purification: Purified by Protein A/G

## Target Details

---

Target: Aurora Kinase B (AURKB)

Alternative Name: AURKB ([AURKB Products](#))

Molecular Weight: 39kDa

Gene ID: 9212

UniProt: [Q96GD4](#)

Pathways: [TCR Signaling](#), [Cell Division Cycle](#), [Maintenance of Protein Location](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

## Application Details

---

Application Notes: Positive Control: HeLa cells. Tonsil, Placenta, Hodgkin's Lymphoma or Colon Carcinoma.  
Known Application: Western Blot (0.5-1 µg/mL) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

---

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

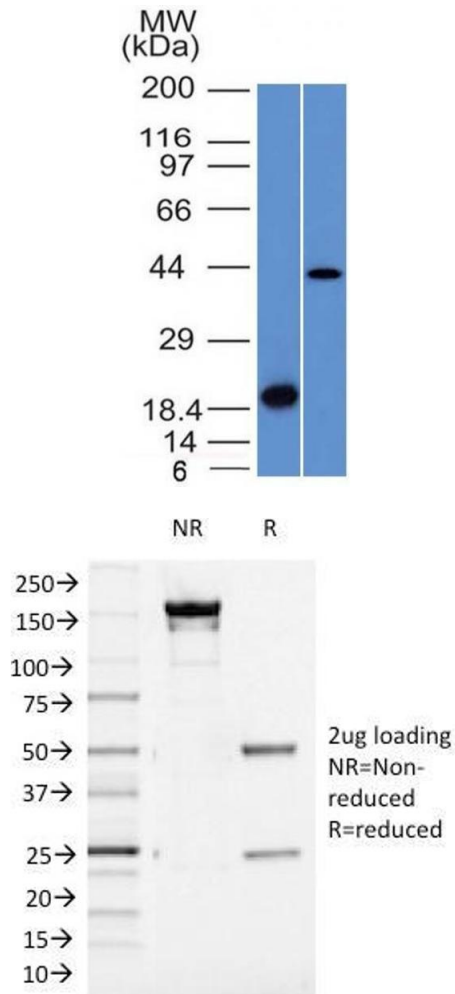
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



### Western Blotting

**Image 1.** Western Blot Analysis (A) Recombinant Protein (B) Human Liver lysate Aurora B Mouse Monoclonal Antibody (AURKB/1521).

### SDS-PAGE

**Image 2.** SDS-PAGE Analysis Purified Aurora B Mouse Monoclonal Antibody (AURKB/1521). Confirmation of Purity and Integrity of Antibody.